(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 23 October 2003 (23.10.2003)

PCT

(10) International Publication Number WO 03/088595 A3

(51) International Patent Classification7:

- (21) International Application Number: PCT/GB03/01477
- (22) International Filing Date: 3 April 2003 (03.04.2003)
- (25) Filing Language:

English

H04J 3/06

(26) Publication Language:

English

(30) Priority Data:

0208374.9

11 April 2002 (11.04.2002) GB

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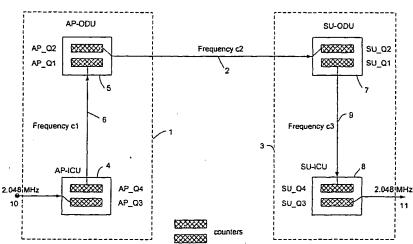
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report:
 18 December 2003

[Continued on next page]

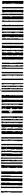
(54) Title: SYNCHRONIZATION IN A COMMUNICATION SYSTEM



Reference architecture for E1 to E1 method

(57) Abstract: A packet switched communications system for transmitting synchronous data from a source module (4) to a terminating module (8) over a network comprises plurality of modules (4, 5, 7, 8) interconnected via transmission links (2, 6, 9). Each module operates with a clock of nominal frequency but which is not synchronised with the clocks of the other module(s) and has a single input and one or more outputs where all the outputs are phase locked to each other but are not synchronised with respect to the input. The system includes means (405, 504) for determining the accumulated phase difference between the input clock and the output clock of each module, and means (5, 7) for transmitting the accumulated phase difference to the terminating module (8) in the network. The received accumulated phase difference at the terminating module (8) is used to lock the output clock at the terminating module to the input clock at the source module.





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